

CLAIMS

What is claimed is:

1. The femoral component of a knee prosthetic including a trochlean part and at least one, but preferably two condyles, wherein
- a trochlean trajectory is defined within the trochlean portion in the external surface of the component;
- a set of internal flat sides are implemented to make contact with corresponding re-cut sides of the extremity of the femur and define an internal open cage within the internal surface of said component and further define edges between themselves;
- said condyles define a reference line when horizontally positioned, which corresponds to a line of contact with said horizontal perspective;
- the perpendicular projection of said trochlean trajectory is perpendicular to said reference line in a medial lateral perspective and the edges have a tilt angle with a value different from zero relative to said reference line when orthogonally projected within a medial lateral perspective.
2. The component according to claim 1, wherein said internal open cage includes five flat sides.
3. The component according to claim 1, wherein the external shape of said condyles is spherical.
4. The component according to claim 1, wherein said tilt angle corresponds to the angle with which the femur must be turned in the case of the femur's external rotation method such that said method is no longer necessary.
5. The component according to claim 1, wherein said tilt angle has an absolute value between one and ten degrees, preferably between two and five degrees, and notably is equal to three degrees.

- 1 6. A couple of femoral components according to claim 1, wherein the
2 respective slant angles of both components have opposite trigonometric
3 sides.
- 1 7. A couple of femoral components according to claim 6, wherein said
2 respective tilt angles of both components have the same absolute value.
- 1 8. A Knee prosthetic including a tibia plate and femoral component
2 according to claim 1.
- 1 9. A Knee prosthetic including a tibia plate and femoral component
2 according to claim 2.
- 1 10. A Knee prosthetic including a tibia plate and femoral component
2 according to claim 3.
- 1 11. A Knee prosthetic including a tibia plate and femoral component
2 according to claim 4.
- 1 12. A Knee prosthetic including a tibia plate and femoral component
2 according to claim 5.

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